

Amendments to the Specification:

Please insert the new paragraph that is presented below between paragraphs 0016 and 0017.

A method of forming an insulated flexible electrical circuit 1 suitable for implantation, comprising the steps of: choosing a rigid substrate 2; cleaning said rigid substrate 2; depositing a first polyparaxylylene layer 4 on said rigid substrate 2; depositing an electrical conductor 6 on said first polyparaxylylene layer 4; patterning said electrical conductor 6 to form a conductive path thereon; depositing a second polyparaxylylene layer 8; defining at least one select portion of said second polyparaxylylene layer 8; and removing said at least one select portion of said second polyparaxylylene layer 8 defining at least one aperture 10 therein, thereby forming at least one electrode that is suitable for contacting living tissue.